



UHF Antenna,
UHF Body Antenna,
UHF Antenna,
GSM/Cellular/PCS/UHF-Band Antenna,
PCS/L-Band Antenna,
S-Band Antenna,
S-Band Antenna2,

P/N: XXX-X-0.22-0.40-Ant (Item 307Tx, Sx, Bx, Nx, NBx),
P/N: XXX-X-0.22-0.40-Ant-Body (Item 307bTx, Sx, Bx, Nx, NBx),
P/N: XXX-X-0.31-0.45-Ant (Item 307T, S, B, N, NB),
P/N: XXX-X-0.81-1.99-Ant (Item 308T, S, B, N, NB),
P/N: XXX-X-1.20-2.50-Ant (Item 309T, S, B, N, NB),
P/N: XXX-X-1.50-2.50-Ant (Item 310T, S, B, N, NB) Center @ 2.5 GHz

P/N: XXX-X-2.02-2.07-Ant (Item 310GT, GS, GB) Giza, C-Band Antenna, P/N: XXX-X-4.40-5.85-Ant (Item 341T, S, B, N, NB)

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



ISO 9001:2008/FAA Approved Facility

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6

5

4

3

2

1

DRAWING NO. REV. 1

SPECIFICATIONS

ELECTRICAL:

| | UHF | L-BAND | L/S-BAND | S-BAND | C-BAND |
|-------------------|--|--------|----------|--------|--------|
| FREQUENCY (MHz): | SEE PART NUMBER BELOW | | | | |
| PATTERN: | OMNIDIRECTIONAL | | | | |
| POLARIZATION: | VERTICAL | | | | |
| ANTENNA GAIN : | > 2 dB | | | | |
| VSWR: | 2.0:1 | | | | |
| OUTPUT IMPEDANCE: | 50 Ω | | | | |
| POWER HANDLING: | >50 watts (Without LNA) | | | | |
| LNA OPTION: | GAIN: 20 dB, NF: 4.1 dB, OP1dB: +18dB, OIP3: +33dB DC: (5 to 24) Volt @ <70mA | | | | |

MECHANICAL:

SIZE: DIAMETER: < 0.2 in
HEIGHT: SEE PART NUMBER BELOW

WEIGHT: UHF: 0.7 oz. (19g); L-Band: 0.3 oz. (9g); S-Band: 0.2 oz. (7g);
C-Band: 0.2 oz. (7g).

COLOR: BLACK

CONNECTOR: SMA FEMALE BULKHEAD (SMA, TNC, N, AND OTHERS ARE OPTIONAL)

ENVIRONMENTAL:

TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]
ALTITUDE: 70,000 ft.
VIBRATION: >10 G's
LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810E

REVISIONS

| ZONE | REV | DESCRIPTION | DATE | APPROVED |
|------|-----|-------------|------|----------|
| | | | | |

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CONNECTOR:

| CONNECTOR: | FREQUENCY: | HEIGHT: |
|----------------|--------------------------------|---------|
| SMA-FB; SMA-M | 0.31-0.40: (310-400) MHz | 9.40in |
| MCX; MCX-FB | 0.35-0.40: (350-400) MHz | |
| N; N-FB | 0.40-0.45: (400-450) MHz | |
| TNC-M; TNC- FB | 0.81-1.99: (810-960) MHz | 3.50in |
| | 0.87-1.99: (870-1990) MHz | 2.65in |
| | 1.20-2.50: (1200-2500) MHz | |
| | 1.33-1.54: (1332-1540) MHz | 2.19in |
| | 1.61-1.85: (1610-1850) MHz | |
| | 1.50-2.50: (1500-2500) MHz | |
| | 1.80-1.99: (1800-1990) MHz | 1.86in |
| | 2.40-2.50: (2400-2500) MHz | |
| | 4.40-5.85: (4400-5850) MHz | |
| | X.XX - Y.YY: (X.XX - Y.YY) GHz | |

Height: See Part Number Below

.182 [4.62]

.408 [10.38]

Item 307N, Item 307NB, Item 307T, Item 307B, Item 309S, Item 309T, Item 310B, Item 310T, Item 310N

ANTCOM CORPORATION

UHF, L, L/S, S, or C-BAND ACTIVE/PASSIVE OMNI ANTENNA

P/N: SMA-FB-X.XX-Y.YY-ANT

ANTCOM CORP. TORRANCE CALIFORNIA

UHF, L, L/S, S, or C-BAND ACTIVE/PASSIVE OMNI ANTENNA

SIZE: 3 CVE1

DATE NO: XXX-X-X.XX-Y.YY-Ant

DRAWING NO: XXX-X-X.XX-Y.YY-Ant

SCALE: 1/1

SHEET 1 OF 1

DO NOT SCALE DRAWING

APPROVED: S. HUYNH April-05-05

ENGINEER: S. HUYNH

CAD FILE NO:

REMOVE ALL BURRS
BREAK EXTERNAL EDGES .005 TO .015
FILLETS R .005 TO R .030
SCREW THREADS PER MIL-S-8879
DIA'S ON A COMMON & .005
MACHINED SURFACES .25

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS: ± 1/64
DECIMALS: ± .005
ANGLES: ± 1°

TOLERANCE SYM PER ANSI Y14.5

CHECKED:

ENGINEER:

APPROVED:

CAD FILE NO:

QUANTITY REQD

PARTS LIST

DESCRIPTION

PART NO

SPECIFICATION

MATERIAL

FINISH

ITEM NO

1

1

NMO Connector Option is Now Available for Some Antennas